

- ii) the concentration of dissolved 6-APA is lower than 250 mM throughout the reaction; and
- iii) the molar ratio of the total quantity of phenylglycine derivative to the total quantity of 6-APA is less than 2.5.

4. (Four times amended) A batch process for preparation of ampicillin comprising:

acylating 6-aminopenicillanic acid (6-APA) with a phenylglycine derivative in the presence of an enzyme to form a reaction mixture;

wherein the process is carried out under the following conditions:

- i) the total concentration in the reaction mixture of 6-APA and ampicillin combined is, substantially throughout the reaction, greater than 300 mM;
- ii) the concentration of dissolved 6-APA is lower than 250 mM throughout the reaction; and
- iii) the molar ratio of the total quantity of phenylglycine derivative to the total quantity of 6-APA is less than 2.0.